

WHAT IS CLAIMED IS:

1. A vaccine comprising a mixture or linear array of peptides, or variants thereof, selected from the peptides set forth in Table 3 and designated Th/A-CTL to Th/I-CTL and linear arrays set forth in Table 4 and designated MVA 6 - MVA 9.
2. A polypeptide having the formula
$$\text{Th}_1-\text{X}_1-\text{Th}_2-\text{X}_2-\text{Th}_3-\text{X}_3\dots\text{Th}_N-\text{X}_N$$
wherein Th is a immunodominant T helper epitope, X is an MHC Class I cytotoxic T cell epitope and N is any number.
3. The polypeptide according to claim 2 wherein N is 1 to 20.
4. The polypeptide according to claim 3 wherein N is 4 to 15.
5. The polypeptide according to claim 4 wherein N is 6 to 12.
6. A DNA sequence encoding the polypeptide of claim 2.
7. A composition comprising the polypeptide of claim 2 and a carrier.
8. A composition comprising the DNA sequence of claim 6 and a carrier.